

# English

## SII) Meningococcal (A, C, Y, W, X) Polysaccharide Conjugate Vaccine (Freeze-Dried) MenFive

### 1. NAME OF THE MEDICINAL PRODUCT

MenFive Meningococcal (A, C, Y, W, X) Polysaccharide Conjugate Vaccine (Freeze-Dried)

**2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

Each dose contains:

5 µg of each Meningococcal A, C, Y, W and X polysaccharide individually conjugated to a carrier protein. The serogroup A and X polysaccharides are conjugated to purified tetanus toxoid (TT) and the serogroup C, W, and Y polysaccharides are conjugated to recombinant CRM197 cross-reactive material 191, a non-toxic mutant of the CRM197 protein.

**Name of Ingredients**

Quantity per dose (0.5 ml) after reconstitution

N meningococci group A polysaccharide Conjugated to TT 5 µg

N meningococci group C polysaccharide Conjugated to CRM197 5 µg

N meningococci group W polysaccharide Conjugated to CRM197 5 µg

N meningococci group X polysaccharide Conjugated to TT 5 µg

Purified Tetanus toxoid 7.8 to 33.4 µg

Recombinant CRM197 11.7 to 50.1 µg

For full list of ingredients, see section 6.1

**3. PHARMACEUTICAL FORM**

MenFive is a freeze-dried formulated vaccine available in two presentations: vials, 5-dose vial and single-dose vials.

The freeze-dried vaccine is to be reconstituted with provided diluent i.e. 0.9% sodium chloride prior to administration.

For the preparation of MenFive, the 5-dose vaccine vial is reconstituted with 2.5 ml of provided diluent i.e. 0.9% sodium chloride prior to administration.

**Single dose vials:**

For the preparation of the 5-dose MenFive, the single-dose vaccine vial is reconstituted with 0.5 ml of provided diluent i.e. 0.9% sodium chloride.

Neither the vial nor the diluent contains any preservative.

**4. CLINICAL PARTICULARS**

**4.1 Therapeutic indications:**

MenFive is indicated for active immunization of individuals aged 9 months to 85 years against invasive meningococcal disease caused by Neisseria meningitidis serogroups A, C, Y, W and X.

**4.2 Posology and method of administration:**

**Posology:**

MenFive is given as an intramuscular injection.

Method of administration:

MenFive is for intramuscular (IM) injection only, preferably in the deltoid muscle. In children below 5 years of age, anterolateral aspect of thigh may be used as alternate site if injection in deltoid muscle is not feasible. For instructions on administration see section 6.4.

**4.3 Contraindications:**

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

**4.4 Special warnings and precautions for use:**

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

As with all injectable vaccines, appropriate medical treatment and supervision should always be readily available.

Anaphylaxis, anaphylactic or other allergic reactions are theoretically possible following administration of MenFive.

**Concurrent illnesses:**

As with other vaccines, administration of MenFive should be postponed in individuals suffering from a acute severe febrile illness.

Anybody temperature > 38°C active infection is reason to delay immunization.

Risk of bleeding with intramuscular administration:

MenFive should be given to patients with thrombocytopathy, any coagulation disorder, bruising or bleeding may occur following an intramuscular administration.

**Immunocompromised individuals:**

No data are available on the potential for the administration of MenFive to individuals living with any immunodeficiency.

Practitioners should evaluate the potential risks and benefits of administering the vaccine in these populations, considering the fact that subjects living with HIV infection are at increased risk for meningococcal disease. It is not known whether MenFive is effective in preventing meningococcal disease in these individuals.

**Synopsis:**

Synopsis training can occur, following, or even before, any vaccination especially in adolescents as a psychogenic response to the needle injection. It is important that procedures are in place to avoid injury from faints.

**Duration of protection:**

Though there was a decline in antibody titres one year after vaccination, the titres were still significantly higher in the MenFive group than in the control group.

**Protection against meningococcal disease:**

The same immunogenicity and safety profile of MenFive as MenACWY was observed in infants 9 to 11 months of age.

For serogroup A, the seroprotective response rate was 94% for serogroup A, C, Y and X. In the MenACWY group, seroprotection was 97.3%.

**Comments:**

Concurrent administration of MenFive with other vaccines than those listed above has not been studied.

**4.6 Fertility, pregnancy and lactation:**

Animal studies do not indicate direct or indirect harmful effects with respect to female fertility.

**Pregnancy:**

MenFive has not been evaluated in pregnant women.

Animal studies do not indicate direct or indirect harmful effects with respect to pregnancy, embryo/fetal development, parturition/post-natal development (see section 5.3).

Administration of MenFive in pregnancy should only be considered when the potential benefits outweigh any potential risks.

**Breastfeeding:**

It is unknown whether MenFive is excreted in human milk.

**4.7 Effectivity, safety and use:**

MenFive is unlikely to affect the safety to drug and use machines.

**4.8 Undesirable effects:**

**Summary of the safety data:**

The safety profile of MenFive is based on an analysis of data from five clinical trials (ACYWY-01, ACYWY-02, ACYWY-03, ACYWY-04 and DMID 20-0204) conducted in the US, Maldives, The Gambia and India.

**Table 1: Overview of the clinical studies:**

**Study Identification:** Study country: Study Design: Population (age): Schedule of vaccination: Study groups: Number of participants:

ACYWY-01 United States Randomized, Single-Arm, Active-Controlled, Observer-Blind Study Adults (18-45 years inclusive): MenFive 20

Schedule of vaccination: 1 dose on Day 0

MenACWY-D 20

Non-adjusted MenFive

Day 28 after vaccination

MenFive 144 (93.3), 90 (93.3), 89 (93.3), 88 (93.3), 87 (93.3), 86 (93.3), 85 (93.3), 84 (93.3), 83 (93.3), 82 (93.3), 81 (93.3), 80 (93.3), 79 (93.3), 78 (93.3), 77 (93.3), 76 (93.3), 75 (93.3), 74 (93.3), 73 (93.3), 72 (93.3), 71 (93.3), 70 (93.3), 69 (93.3), 68 (93.3), 67 (93.3), 66 (93.3), 65 (93.3), 64 (93.3), 63 (93.3), 62 (93.3), 61 (93.3), 60 (93.3), 59 (93.3), 58 (93.3), 57 (93.3), 56 (93.3), 55 (93.3), 54 (93.3), 53 (93.3), 52 (93.3), 51 (93.3), 50 (93.3), 49 (93.3), 48 (93.3), 47 (93.3), 46 (93.3), 45 (93.3), 44 (93.3), 43 (93.3), 42 (93.3), 41 (93.3), 40 (93.3), 39 (93.3), 38 (93.3), 37 (93.3), 36 (93.3), 35 (93.3), 34 (93.3), 33 (93.3), 32 (93.3), 31 (93.3), 30 (93.3), 29 (93.3), 28 (93.3), 27 (93.3), 26 (93.3), 25 (93.3), 24 (93.3), 23 (93.3), 22 (93.3), 21 (93.3), 20 (93.3), 19 (93.3), 18 (93.3), 17 (93.3), 16 (93.3), 15 (93.3), 14 (93.3), 13 (93.3), 12 (93.3), 11 (93.3), 10 (93.3), 9 (93.3), 8 (93.3), 7 (93.3), 6 (93.3), 5 (93.3), 4 (93.3), 3 (93.3), 2 (93.3), 1 (93.3), 0 (93.3), 1 (93.3), 2 (93.3), 3 (93.3), 4 (93.3), 5 (93.3), 6 (93.3), 7 (93.3), 8 (93.3), 9 (93.3), 10 (93.3), 11 (93.3), 12 (93.3), 13 (93.3), 14 (93.3), 15 (93.3), 16 (93.3), 17 (93.3), 18 (93.3), 19 (93.3), 20 (93.3), 21 (93.3), 22 (93.3), 23 (93.3), 24 (93.3), 25 (93.3), 26 (93.3), 27 (93.3), 28 (93.3), 29 (93.3), 30 (93.3), 31 (93.3), 32 (93.3), 33 (93.3), 34 (93.3), 35 (93.3), 36 (93.3), 37 (93.3), 38 (93.3), 39 (93.3), 40 (93.3), 41 (93.3), 42 (93.3), 43 (93.3), 44 (93.3), 45 (93.3), 46 (93.3), 47 (93.3), 48 (93.3), 49 (93.3), 50 (93.3), 51 (93.3), 52 (93.3), 53 (93.3), 54 (93.3), 55 (93.3), 56 (93.3), 57 (93.3), 58 (93.3), 59 (93.3), 60 (93.3), 61 (93.3), 62 (93.3), 63 (93.3), 64 (93.3), 65 (93.3), 66 (93.3), 67 (93.3), 68 (93.3), 69 (93.3), 70 (93.3), 71 (93.3), 72 (93.3), 73 (93.3), 74 (93.3), 75 (93.3), 76 (93.3), 77 (93.3), 78 (93.3), 79 (93.3), 80 (93.3), 81 (93.3), 82 (93.3), 83 (93.3), 84 (93.3), 85 (93.3), 86 (93.3), 87 (93.3), 88 (93.3), 89 (93.3), 90 (93.3), 91 (93.3), 92 (93.3), 93 (93.3), 94 (93.3), 95 (93.3), 96 (93.3), 97 (93.3), 98 (93.3), 99 (93.3), 100 (93.3), 101 (93.3), 102 (93.3), 103 (93.3), 104 (93.3), 105 (93.3), 106 (93.3), 107 (93.3), 108 (93.3), 109 (93.3), 110 (93.3), 111 (93.3), 112 (93.3), 113 (93.3), 114 (93.3), 115 (93.3), 116 (93.3), 117 (93.3), 118 (93.3), 119 (93.3), 120 (93.3), 121 (93.3), 122 (93.3), 123 (93.3), 124 (93.3), 125 (93.3), 126 (93.3), 127 (93.3), 128 (93.3), 129 (93.3), 130 (93.3), 131 (93.3), 132 (93.3), 133 (93.3), 134 (93.3), 135 (93.3), 136 (93.3), 137 (93.3), 138 (93.3), 139 (93.3), 140 (93.3), 141 (93.3), 142 (93.3), 143 (93.3), 144 (93.3), 145 (93.3), 146 (93.3), 147 (93.3), 148 (93.3), 149 (93.3), 150 (93.3), 151 (93.3), 152 (93.3), 153 (93.3), 154 (93.3), 155 (93.3), 156 (93.3), 157 (93.3), 158 (93.3), 159 (93.3), 160 (93.3), 161 (93.3), 162 (93.3), 163 (93.3), 164 (93.3), 165 (93.3), 166 (93.3), 167 (93.3), 168 (93.3), 169 (93.3), 170 (93.3), 171 (93.3), 172 (93.3), 173 (93.3), 174 (93.3), 175 (93.3), 176 (93.3), 177 (93.3), 178 (93.3), 179 (93.3), 180 (93.3), 181 (93.3), 182 (93.3), 183 (93.3), 184 (93.3), 185 (93.3), 186 (93.3), 187 (93.3), 188 (93.3), 189 (93.3), 190 (93.3), 191 (93.3), 192 (93.3), 193 (93.3), 194 (93.3), 195 (93.3), 196 (93.3), 197 (93.3), 198 (93.3), 199 (93.3), 200 (93.3), 201 (93.3), 202 (93.3), 203 (93.3), 204 (93.3), 205 (93.3), 206 (93.3), 207 (93.3), 208 (93.3), 209 (93.3), 210 (93.3), 211 (93.3), 212 (93.3), 213 (93.3), 214 (93.3), 215 (93.3), 216 (93.3), 217 (93.3), 218 (93.3), 219 (93.3), 220 (93.3), 221 (93.3), 222 (93.3), 223 (93.3), 224 (93.3), 225 (93.3), 226 (93.3), 227 (93.3), 228 (93.3), 229 (93.3), 230 (93.3), 231 (93.3), 232 (93.3), 233 (93.3), 234 (93.3), 235 (93.3), 236 (93.3), 237 (93.3), 238 (93.3), 239 (93.3), 240 (93.3), 241 (93.3), 242 (93.3), 243 (93.3), 244 (93.3), 245 (93.3), 246 (93.3), 247 (93.3), 248 (93.3), 249 (93.3), 250 (93.3), 251 (93.3), 252 (93.3), 253 (93.3), 254 (93.3), 255 (93.3), 256 (93.3), 257 (93.3), 258 (93.3), 259 (93.3), 260 (93.3), 261 (93.3), 262 (93.3), 263 (93.3), 264 (93.3), 265 (93.3), 266 (93.3), 267 (93.3), 268 (93.3), 269 (93.3), 270 (93.3), 271 (93.3), 272 (93.3), 273 (93.3), 274 (93.3), 275 (93.3), 276 (93.3), 277 (93.3), 278 (93.3), 279 (93.3), 280 (93.3), 281 (93.3), 282 (93.3), 283 (93.3), 284 (93.3), 285 (93.3), 286 (93.3), 287 (93.3), 288 (93.3), 289 (93.3), 290 (93.3), 291 (93.3), 292 (93.3), 293 (93.3), 294 (93.3), 295 (93.3), 296 (93.3), 297 (93.3), 298 (93.3), 299 (93.3), 300 (93.3), 301 (93.3), 302 (93.3), 303 (93.3), 304 (93.3), 305 (93.3), 306 (93.3), 307 (93.3), 308 (9

# Portuguese

# Russian

## SII Vácia Meningocócica Conjugada Polissacáridica (A, C, Y, W, X) (Liofilizada)

### MenFive

#### 1. NOME DO MEDICAMENTO

MenFive é uma vacina meningocócica conjugada polissacáridica (A, C, Y, W, X) (Liofilizada)

#### 2. COMPOSIÇÃO QUANTITATIVA E QUALITATIVA

Cada dose (0,5 ml) contém: 5 µg da cada polissacarídeo meningocólico A, C, Y e W conjugado com a toxina diférica e 5 µg da toxina meningocólica X conjugada com a proteína CRM197. Maternal 197 de reação cruzada, um mutante não tóxico da toxina diférica.

Polissacarídeo de A, meningocólico do grupo A conjugado com o TT

5 µg

Polissacarídeo de C, meningocólico do grupo C conjugado com CRM197

5 µg

Polissacarídeo de Y, meningocólico do grupo Y conjugado com CRM197

5 µg

Toxido teânico purificado

7,8 ± 3,4 µg

CRM197 recombinante

11,7 ± 50,1 µg

Para a lista completa de excipientes, veja seção 6.1.

#### 3. FORMULAÇÃO FARMACÉUTICA

MenFive é uma vacina conjugada liofilizada, disponível em duas apresentações: frasco de 5 doses e frasco unidose. A vacina é fornecida em sua forma liofilizada e deve ser diluída com o diluente fornecido, isto é, 0,5 ml de diluente de soro direto da administração.

Frasco de doses:

Para a preparação de MenFive, o frasco de doses da vacina é reconstituído com 2,5 ml de diluente fornecido, isto é, 0,9% do diluente de soro.

Frasco de unidose:

Para a preparação de MenFive, o frasco unidose da vacina é reconstituído com 0,5 ml de diluente fornecido, isto é, 0,9% do diluente de soro.

Não é necessário diluir contém qualquer conservante.

#### 4. INFORMAÇÕES CLÍNICAS

##### 4.1 Indicações terapêuticas

MenFive é indicado para a imunização intramuscular. Em crianças de idade menor ou igual a 11 meses, deve ser administrada a dose de 0,5 ml de diluente fornecido, para todos os sorgorups.

As 28 doses de primeira dose da vacina, uma resposta serológica é observada em ~97,5% dos participantes em cada grupo. MenFive é indicado para todos os sorgorups que receberam as vacinas correspondentes (Quadro 4).

##### 4.2 Posologia e método de administração

Hipersensibilidade à sulfato de alúmio ou qualquer dos excipientes listados na seção 6.1.

##### 4.4 Adversidades e precauções especiais de uso

Hipersensibilidade inclui anafilaxia.

Como é comum com outras vacinas injetáveis, o tratamento médico adequado e a supervisão devem estar imediatamente disponíveis caso ocorra reação adversa.

Não é recomendado a vacinação preventiva para reações anafiláticas, anafilaxias e outras reações alérgicas após a administração de MenFive.

##### 4.5 Contraindicações

Hipersensibilidade à sulfato de alúmio ou qualquer dos excipientes listados na seção 6.1.

##### 4.6 Adverseidades e precauções especiais de uso

Hipersensibilidade inclui anafilaxia.

Como é comum com outras vacinas injetáveis, o tratamento médico adequado e a supervisão devem estar imediatamente disponíveis caso ocorra reação adversa.

Não é recomendado a vacinação preventiva para reações anafiláticas, anafilaxias e outras reações alérgicas após a administração de MenFive.

##### 4.7 Precauções de uso

MenFive é contra-indicado para pessoas com história de reação anafilática a sulfato de alúmio.

MenFive não protege contra outros sorgorups de Neisseria meningitidis, outros bactérias vírus, fungos, microorganismos ou toxinas.

Efeitos da vacina MenFive sobre as concentrações de anticorpos anti-téticos e anti-cantíferos

Embora tenha sido observadas concentrações de anticorpos contra o toxido teânico e a diferença após a vacinação com MenFive, esta vacina não pode substituir a vacinação contra tetano e letárgico.

As 28 doses de MenFive na granide deve ser considerada apenas quando os benefícios potenciais superem qualquer risco para a mãe e o feto.

##### 4.8 Fertilidade, gravidez e lactação

Os estudos em animais não indicam efeitos nocivos diretos ou indiretos em relação à fertilidade feminina.

Gravidez:

MenFive foi avaliado em mulheres grávidas.

As vacinas concentradas devem sempre ser administradas em locais de injeção separados e, de preferência, contrariais.

Anteriores à vacina MenFive com outras vacinas além das vacinas listadas acima não foi estudada.

##### 4.9 Efeitos sobre a capacidade de conduzir e usar máquinas

MenFive não afeta a capacidade de conduzir e usar máquinas.

##### 4.10 Efeitos indesejados

Resumo de riscos para indesejados:

A seguir, a descrição da MenFive baseia-se em dados de análise de cinco ensaios clínicos (ACYWY-01, ACYWY-02, ACYWY-03 e ACYWY-04) e DMID 20-0024) realizados em EUA, Malá, Gâmbia e Índia.

##### Quadro 1: Resultados dos estudos clínicos

Identificação do estudo Pode ser visto no final da seção 6.1.

Páginas de estudo Descrição do estudo, Esquema de vacinação, Grupos de estudos, Número de participantes

ACYWY-01 Estados Unidos Estudo controlado, randomizado, duplo-cego, de três braços, de centro único, e cego para observadores

Esquema de vacinação: 1 dose no dia 0, MenACWY-D 20

MenFive 20

MenFive sem adjuntivo 20

TAG (IC 95%)

MenFive com adjuntivo 20

TAG (IC 95%)