

(7) Arsenic—Prepare the test solution with 1.0 g of Sodium Chloride according to Method 1, and perform the test using Apparatus B (not more than 2 ppm).

**Loss on drying** Not more than 0.5% (1 g, 130°C, 2 hours).

**Assay** Weigh accurately about 0.2 g of Sodium Chloride, previously dried, dissolve in 50 mL of water, and titrate with 0.1 mol/L silver nitrate VS while shaking vigorously (indicator: 3 drops of fluorescein sodium TS).

Each mL of 0.1 mol/L silver nitrate VS  
= 5.844 mg of NaCl

**Containers and storage** Containers—Tight containers.

## 10% Sodium Chloride Injection

### 10% 塩化ナトリウム注射液

10% Sodium Chloride Injection is an aqueous solution for injection. It contains not less than 9.5 w/v% and not more than 10.5 w/v% of sodium chloride (NaCl: 58.44).

#### Method of preparation

Sodium Chloride	100 g
Distilled Water for Injection	a sufficient quantity
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	To make 1000 mL

Prepare as directed under Injections, with the above ingredients.

**Description** 10% Sodium Chloride Injection is a clear, colorless liquid. It has a saline taste.

It is neutral.

**Identification** 10% Sodium Chloride Injection responds to the Qualitative Tests for sodium salt and for chloride.

**Bacterial endotoxins** Less than 3.6 EU/mL.

**Assay** Pipet 10 mL of 10% Sodium Chloride Injection, and add water to make exactly 100 mL. Pipet 20 mL of this solution, add 30 mL of water, and titrate, with vigorous shaking, with 0.1 mol/L silver nitrate VS (indicator: 3 drops of fluorescein sodium TS).

Each mL 0.1 mol/L silver nitrate VS  
= 5.844 mg of NaCl

**Containers and storage** Containers—Hermetic containers.

## Isotonic Sodium Chloride Solution

### 0.9% Sodium Chloride Injection

#### Isotonic Salt Solution

#### Isotonic Sodium Chloride Injection

#### 生理食塩液

Isotonic Sodium Chloride Solution is an aqueous solution for injection. It contains not less than 0.85

w/v% and not more than 0.95 w/v% of sodium chloride (NaCl: 58.44).

#### Method of preparation

Sodium Chloride	9 g
Water for Injection	a sufficient quantity
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	To make 1000 mL

Prepare as directed under Injections, with the above ingredients.

No preservative is added.

**Description** Isotonic Sodium Chloride Solution is a clear, colorless liquid. It has a slightly saline taste.

**Identification** Isotonic Sodium Chloride Solution responds to the Qualitative Tests for sodium salt and for chloride.

**pH** 4.5 – 8.0

**Purity (1)** Heavy metals—Concentrate 100 mL of Isotonic Sodium Chloride Solution to about 40 mL on a water bath, and add 2 mL of dilute acetic acid and water to make 50 mL. Perform the test using this solution as the test solution. Prepare the control solution with 3.0 mL of Standard Lead Solution and 2 mL of dilute acetic acid, and add water to make 50 mL (not more than 0.3 ppm).

(2) Arsenic—Prepare the test solution with 20 mL of Isotonic Sodium Chloride Solution, and perform the test using Apparatus B (not more than 0.1 ppm).

**Bacterial endotoxins** Less than 0.50 EU/mL.

**Assay** Measure exactly 20 mL of Isotonic Sodium Chloride Solution, add 30 mL of water, and titrate with 0.1 mol/L silver nitrate VS with vigorous shaking (indicator: 3 drops of fluorescein sodium TS).

Each mL of 0.1 mol/L silver nitrate VS  
= 5.844 mg of NaCl

**Containers and storage** Containers—Hermetic containers. Plastic containers for aqueous injections may be used.

## Sodium Chromate (<sup>51</sup>Cr) Injection

### クロム酸ナトリウム (<sup>51</sup>Cr) 注射液

Sodium Chromate (<sup>51</sup>Cr) Injection is an aqueous solution for injection containing chromium-51 (<sup>51</sup>Cr) in the form of sodium chromate.

It conforms to the requirements of Sodium Chromate (<sup>51</sup>Cr) Injection in the Minimum Requirements for Radiopharmaceuticals.

The Insoluble Particulate Matter Test for Injections is not applied to this injection.

**Description** Sodium Chromate (<sup>51</sup>Cr) Injection is a clear, light yellow liquid. It is odorless or has an odor of the preservatives.