The highest histamine concentration on the market for precise, easy-to-read results and accurate diagnosis.

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Our positive control is histamine dihydrochloride, which has a long history of scientific data documenting its efficacy; this is widely accepted as the European standard, dating back to the original Nordic guidelines.¹

**The Concentration Recommended by Experts²**

- Middleton’s Allergy: Principles and Practice recommends 10 mg/mL as the appropriate histamine concentration³ — the exact concentration in our Histamine Positive Control.
- Skin Prick Testing and the Use of Histamine References recommends “histamine 10 mg/mL as an international positive reference.”⁴
- “Histamine Dihydrochloride at 10mg/mL (equivalent to 6 mg/mL Histamine base) has been shown to elicit fewer false negative and false positive reactions⁵ using the same skin testing device than 1mg/mL histamine base.


## HISTAMINE

**Positive Control**

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**WARNING Important Safety Information**

Attacks of severe asthma or other serious allergic conditions may be precipitated by the administration of Histamine Dihydrochloride in patients with bronchial disease. Certain medications may lessen the skin test wheel and erythema responses elicited by histamine for varying time periods. Tricyclic antidepressants such as Doxepin should be withheld for at least seven days before skin testing.

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Wheal flare response of skin for evaluation of skin test response to allergenic extracts. Thirty females (35-49 yrs old; mean age 38.5) and 7 males (23-45 yrs old; mean age 35.4) were tested. This study included 10 Caucasian subjects and 1 African American subject. Different skin test devices produce different skin test responses.13-15

**SUMMARY OF WHEAL**

- Summation of wheal diameters of 5.4-8.5mm (mean 7 mm).

**SUMMARY OF ERYTHEMA**

- Summation of erythema diameters of 3.5-6.3mm (mean 4.5 mm).

**ADVERSE RESPONSES**

- Overdose may cause severe symptoms, including circulatory collapse, shock, and even death. Intravenous administration of histamine in normal volunteers at doses of up to 10.0 mg/kg/min produced flushing, headache, laryngospasm and decreased diastolic blood pressure.12

**REFERENCES**