

Active Native Cocksfoot Pollen Extract Reference Standard

Cat. No. Cocksfoot Pollen Extract-39ARS **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Cocksfoot Pollen
Source	Cocksfoot Pollen
Tag	Non
Form	Freeze-dried powder

Bio-activity

In vitro comparison

On iso-electric focussing, (pH 3.0-11.0 at 220V in 7% polyacrylamide gel) 17 bands staining with protein dyes developed, and all bands were identical in the parent material and the freeze dried standard. The standard can also be used in in vitro assays such as the radioallergosorbent test (RAST), RAST inhibition, quantitative immunoelectrophoresis (CIE & CRIE), SDS-PAGE and immunoblotting.

In vivo comparison

Inbred Hooded rats with no previous exposure to cocksfoot pollen were used to assay non-immunological vaso-active mediator release. Falling concentrations from 350 micrograms to 0.05 micrograms contained in 0.05ml physiological saline were injected intradermally into the shaved skin of the animals. After 3 hours, Evans-blue dye was injected intravenously and the sites watched for a change of vascular permeability. Marked reactions occurred at 350 micrograms and diminished thereafter. The end points of the titration were 50 micrograms for the original 25 micrograms for the freeze dried preparation. The test was repeated in a rhesus

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monkey, where identical end-points were obtained. When these doses were used to challenge animals sensitised intradermally with homologous anti-cocksfoot serum by passive transfer, strong positive results were obtained. It is therefore recommended that for intradermal testing in laboratory animals, an appropriate challenge dose of the lyophilised material containing about 25 micrograms (4 units) in 0.05ml physiological saline is used.

Stability

Reference Materials should be stored on receipt as indicated on the label. Accelerated degradation studies have shown freeze dried allergen extracts stored in unopened ampoules at -20°C to be extremely stable over a number of years.

Storage

Unopened ampoules should be stored at -20°C

Shipping

Because of the inherent stability of lyophilized material, may ship these materials at ambient temperature.

UNITAGE

A potency of 100 units has been assigned to each ampoule.

USE OF MATERIAL

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution.

The total contents of the ampoule should be reconstituted with 1.0ml distilled water and dissolved gently by swirling to avoid froth. The reconstituted reagent should be used as soon as possible after reconstitution.