

Certificate

COLLAGENASE II

USP Catalog No.:	1148090
USP Lot No.:	F029C0

<p>VQNESKRYTV SYLKTLYNYD LVDLLVKTEI ENLPDLFQYS SDAKEFYGNK TRMSFIMDEI GRRAPQYTEI DHKGIPTLVE VVRAGFYLGF HNKELNEINK RSFKERVIPS ILAIQKNPNF KLGTEVQDKI VSATGLLAGN ETAPPEVVNN FTPILQDCIK NIDRYALDDL KSKALFNVLA APTYDITEYL RATKEKPENT PWYBKIDGFI NELKKLALYG KINDNNSWII DNGIYHIAPL GKLHSNNKIG IETLTEVMKV YPYLSMQLQ SADQIKRHYD SKDAEGNKIP LDKFKKEGKE KYCCKTYTFD DGKVIKAGA RVEEEKVKRL YWASKEVNSQ FFRVYGIDKP LEEGNPDIL TMVIYNSPEE YKLSVLYGY DTNNGMYIE PEGTFFTYER EAQESTYTL EELFRHEYTHY LQGRYAVPGQ WGRTKLYDND RLTWYEEGGA ELFAGSTRTS GILPRKSIYS NIHNTTRNNR YKLSDTVHSK YGASFEFYNY ACMFDYMYN KDMGILNKLN DLAKNNDVDG YDNYIRDLS NYALNDKYQD HMQRIDNIE NLTVPFVADD YLVRHAYKNP NEIYSEISEV AKLKDAKSEV KKSQYFSTFT LRGSYTGAS KGKLEDQKAM NKFIDDSLKK LDTYSWSGYK TLTAYFTNYK VDSSNRVTYD VVFHGYLPNE GDSKNSLPYG KINGTYKTE KEKIKFSSEG SFDPDGKIVS YEWDFGDGK SNEENPEHSY DKVGTYTVKL KVTDDKGESE VSTTTAEIKD LSENKLPVIY MHVPKSGALN QKVVFYGGKT YDPDGSIAGY QWDFGDGSDS SSEQNPSHY TTKGEYTVTL RVMDSGQMS EKTMKIKITD PVYPIGTEKE PNNSKETASG PIVPGIPVSG TIENTSDQDY FYFDVITPGE VKIDINKLGY GGATWVYDE NNAVSATD DGQNLGKFK ADKPGRYIYH LYMFNGSYMP YRINIEGSVG R</p>	CAS No.:	9001-12-1
	Molecular Formula:	$C_{5028}H_{7666}N_{1300}O_{1564}S_{21}$ (for ζ subtype)
	Molecular Weight:	112,023 daltons (for ζ subtype)

Additional Information: The assigned value of Collagenase II RS Lot F029C0 was determined to be 12 units per mg of protein using 4-phenylazobenzoyloxycarbonyl (PZ)-Pro-Leu-Gly-Pro-D-Arg as the substrate (Wunsch assay) according to the Assay in USP General Chapter <89.2> Collagenase II. The protein concentration was determined to be 52 mg/mL. Thaw at room temperature and mix gently. Use immediately after thawing and mixing. Discard any remaining material after use.

LABEL TEXT

USP REFERENCE STANDARD

COLLAGENASE II 2 x 0.5 mL

Store in freezer (-70°). For additional information see the USP Certificate.



Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Avoid breathing mist or vapor. In case of inadequate ventilation wear respiratory protection. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

Dispose of contents/container in accordance with local/regional/national/international regulations.

KEEP AMPULES IN SECONDARY CONTAINER!

LOT: F029C0

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1148090 Material mfd. in Germany



For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use at www.usp.org/sds.

Jeri L. Joth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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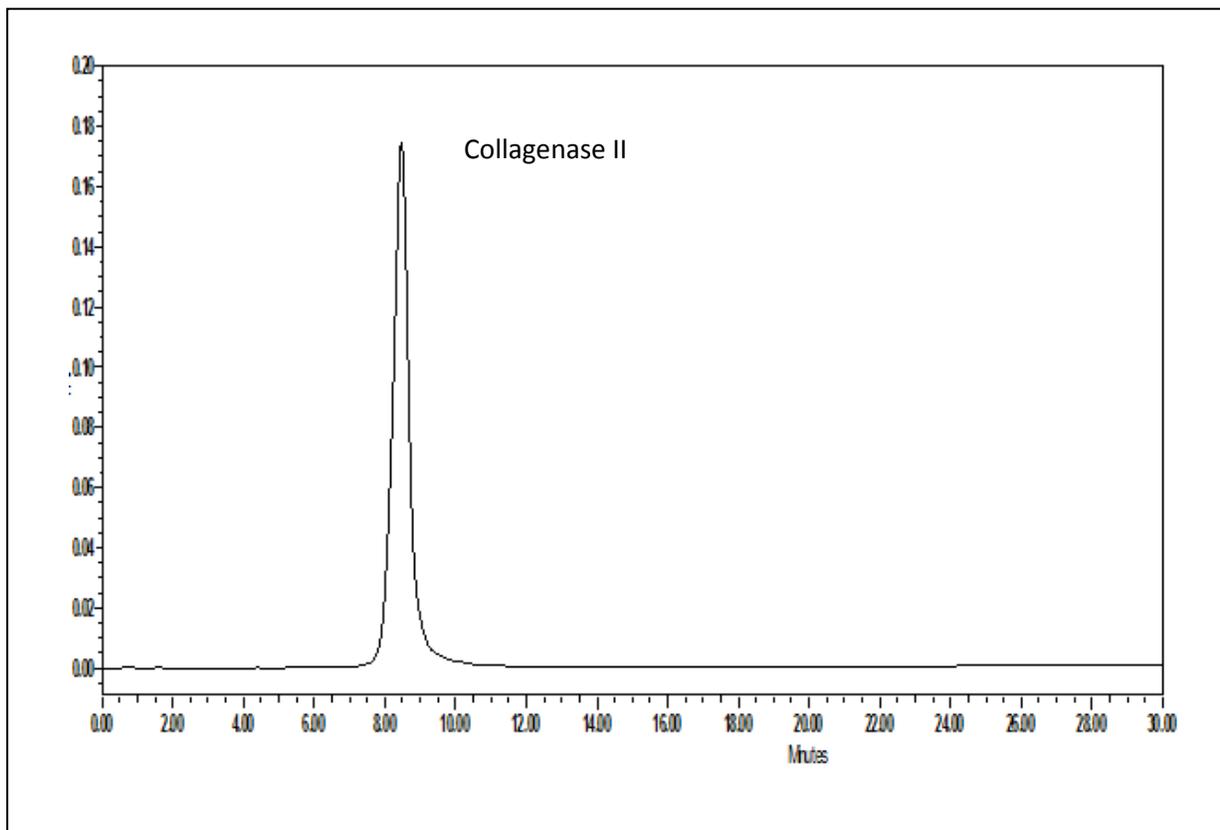
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Typical Chromatogram

USP Collagenase II RS

Catalog Number: 1148090
Lot: F029C0
Monograph : General Chapter <89.2> Collagenase II
Publication: PF 41(5)
Test: <i>Purity</i>
Sample: <i>Standard solution</i>



This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.