

**Product Information**

**pAd5**

Research use only

**Catalog No:** PA-102-S

**Lot No:** 0302

**Contents:**

pAd5, 25 µg, 0.25 µg/µL

**Storage:** -70°C

**Features and Applications:**

pAd5 is a 44 kb cosmid that contains the entire sequence of Ad5 genome between two *PacI* sites.

**Selection:**

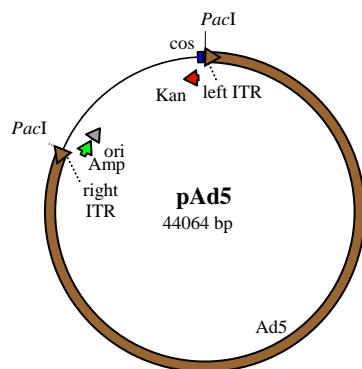
*prokaryotic* – ampicillin 50µg/mL and kanamycin 25 µg/mL

**Replication:**

*prokaryotic* – pUC ori

**Sequence available at:**

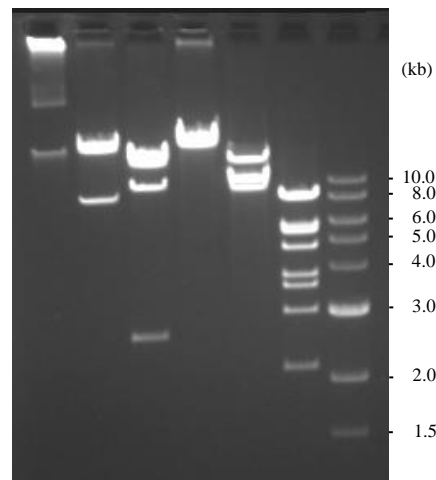
<http://od260.com/product/pad5>



**Quality Control Assays:**

**Restriction analysis:**

ND<sup>1</sup> *PacI* *XbaI* *Clal* *SbfI* *HindIII* MM<sup>2</sup>



Expected restriction fragments (bp):

*Clal*: 44066

*HindIII*: 8196, 8010, 5665, 5324, 4597, 3744, 3437, 2937, 2081, 75

*PacI*: 35943, 8123

*SbfI*: 14879, 10373, 9998, 8816

*XbaI*: 18003, 14189, 9250, 2624

**Virus Recovery:**

pAd5 was linearized with *PacI*, ethanol-precipitated and resuspended in sterile TE pH 7.5. Five µg DNA were transfected into 293 cells (passage 42, 6-cm dishes) using the calcium-phosphate method. The cell monolayer was covered with agar 1 day after transfection and plaques were counted. The first plaques were visible 3 days after transfection. More than 100 plaques were counted 6 days after transfection.

<sup>1</sup> ND: non-digested

<sup>2</sup> MM: 1 kb DNA ladder (New England Biolabs # 3232S)

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