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Online dual gradient reversed-phase / porous graphitized carbon nanoHPLC for proteomic applications

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File contains the gradient program used for the U3000 dual gradient separations. The command style is from Chromeleon Software (Dionex, Germany).

```
UV VIS 1.Wavelength =
                                214 [nm]
      UV_VIS_1.Step =
                          0.20[s]
      UV_VIS_1.Average =
                                On
      UV_VIS_2.Wavelength =
                                295 [nm]
      UV_VIS_2.Step =
                         0.20[s]
      UV_VIS_2.Average =
                                On
      ColumnCompartment1.ValveLeft = 10_1
      ColumnCompartment1.ValveRight =
                                                    ; column 1 is in line with UV
                                             1_2
      ColumnCompartment2.ValveLeft = 10_1
0.000 Autozero
      NanoPump1.Flow = 0.220 [\mu l/min]
      NanoPump1.\%B =
                          7.0 [%]
      NanoPump1.\%C =
                         0.0 [%]
      NanoPump2.Flow = 0.260 [\mu l/min]
      NanoPump2.\%B =
                          7.0 [%]
      NanoPump2.\%C =
                          0.0 [%]
      Inject
      LoadingPump1.Flow =
                                7 [μl/min]
      LoadingPump1.%B =
                                0.0 [%]
      LoadingPump1.%C =
                                0.0 [%]
      NanoPump1.Flow = 0.220 [\mu l/min]
      NanoPump1.\%B =
                         7.0 [%]
      NanoPump1.\%C =
                          0.0 [%]
      NanoPump2.Flow = 0.260 [\mu l/min]
      NanoPump2.\%B =
                          7.0 [%]
      NanoPump2.\%C =
                         0.0 [%]
0.100 LTQ.State
                   On
1.000 LTQ.State
                   Off
7.000 ColumnCompartment1.ValveLeft = 1_2
      NanoPump1.\%B =
                          7.0 [%]
      LoadingPump1.Flow =
                                7 [μl/min]
      NanoPump2.\%B =
                         7.0 [%]
8.000 \text{ NanoPump}1.\%B =
                          7.0 [%]
      NanoPump2.\%B =
                          7.0 [%]
      LoadingPump1.Flow =
                                1 [μl/min]
38.000 NanoPump1.%B =
                          50.0 [%]
42.000 NanoPump1.%B =
                          95.0 [%]
44.000 NanoPump2.%B =
                          7.0 [%]
```

```
45.000 NanoPump2.%B =
                         7.0 [%]
46.000 LoadingPump1.Flow =
                               1 [μl/min]
48.000 LoadingPump1.Flow =
                               7 [µl/min]
50.000 NanoPump1.%B =
                         95.0 [%]
      ColumnCompartment2.ValveLeft = 1_2
      ColumnCompartment1.ValveRight =
                                            6_1
55.000 NanoPump1.%B =
                         50.0 [%]
      NanoPump2.\%B =
                         7.0 [%]
80.000 NanoPump1.%B =
                         7.0 [%]
      ColumnCompartment1.ValveLeft = 10_1
85.000 NanoPump2.%B =
                         40.0 [%]
                         90.0 [%]
90.000 NanoPump2.%B =
95.000 NanoPump2.%B =
                         90.0 [%]
100.000
            NanoPump2.\%B =
                               7.0 [%]
      NanoPump1.%B =
                         7.0 [%]
      ColumnCompartment2.ValveLeft = 10_1
110.000
            NanoPump1.%B =
                               7.0 [%]
      NanoPump2.%B =
                         7.0 [%]
      LoadingPump1.Flow =
                               7 [µl/min]
120.000
      NanoPump1.Flow = 0.220 [\mu l/min]
      NanoPump1.%B =
                         7.0 [%]
      NanoPump1.%C =
                         0.0 [%]
      NanoPump2.Flow = 0.260 [\mu l/min]
      NanoPump2.%B =
                         7.0 [%]
      NanoPump2.\%C =
                         0.0 [%]
      ColumnCompartment1.ValveRight =
                                            1_2
      ReleaseExclusiveAccess
      End
```