

**DOWNLOADING PATIENT DATA
TO YOUR COMPUTER
from the
PROTIME® MICROCOAGULATION SYSTEM**

Computer Download Requirements:

- ProTime® Instrument
- Computer Cable # WF3653 (Cat. #WF3218X for Serial Numbers prior to P-1265)
- Computer with serial port
- MS Windows '95 (using *Hyperterminal* in “Accessories”) ***or***
Windows 3.1 (using *Terminal* in “Accessories”)

Computer Set Up:

ProTime® data will be downloaded as ASCII files. All stored results can be displayed (see sample on other side). Graphics cannot be downloaded from the ProTime® instrument.

- 1) Connect the computer cable to the serial port of your computer.
- 2) **Before connecting the cable to the ProTime® instrument, turn the instrument on and allow it to go through its SELF-CHECK.**
- 3) *After* ProTime® has completed its “self-check” connect the cable to the rear of the ProTime® instrument.
- 4) Set up as follows:
For *Terminal* only: specify Settings, select Communications (use settings below)

For *Hyperterminal*:

Select “**Program**”
Select “**Accessories**”
Select “**Hyperterminal**” - in Windows '98, select “*Communications*” first
Double click “**hypertrm.exe**” icon
In the “**Connection Description**” box, name the file (such as “ProTime” with or without the date) – select OK.
Go to “**Connect using:**” (*ignore phone number*) and click on down arrow, *choose the com port* you are connected to (ie; com 2) – select OK. Choose settings below:

Bits per second:	9600 bps
Data bits:	8 bits
Parity:	none
Stop bits:	1
Flow:	Hardware

Select OK after settings are correct.

- 5) On the ProTime® screen, select SHOW RESULTS. The select PRINT/SEND DATA.
Choose your option (LAST RESULT or ALL RESULTS).

Continued

- 6) You will see the data you selected displayed on your computer screen. You may then print the data to your printer or save the file.

Example:

#	DATE	INR	PT	ISI		
1	FEB 20, 1998 AM	9:00	117.4SEC*	1.0	CONTROLS	OK
2	FEB 20, 1998 AM	8.80	114.8SEC*	1.0	CONTROLS	OK
3	FEB 20, 1998 AM	8.60	112.2SEC*	1.0	CONTROLS	OK
4	FEB 20, 1998 AM	8.40	109.6SEC*	1.0	CONTROLS	OK
5	FEB 20, 1998 AM	8.20	107.0SEC*	1.0	CONTROLS	OK
6	FEB 20, 1998 AM	8.00	104.4SEC*	1.0	CONTROLS	OK
7	FEB 20, 1998 AM	7.80	101.8SEC*	1.0	CONTROLS	OK
8	FEB 20, 1998 AM	7.60	99.2SEC*	1.0	CONTROLS	OK
9	FEB 20, 1998 AM	7.40	96.6SEC*	1.0	CONTROLS	OK
10	FEB 20, 1998 AM	7.20	94.0SEC*	1.0	CONTROLS	OK
11	FEB 20, 1998 AM	7.00	91.4SEC	1.0	CONTROLS	OK
12	FEB 20, 1998 AM	6.80	88.7SEC	1.0	CONTROLS	OK
13	FEB 20, 1998 AM	6.60	86.1SEC	1.0	CONTROLS	OK
14	FEB 20, 1998 AM	6.40	83.5SEC	1.0	CONTROLS	OK
15	FEB 20, 1998 AM	6.20	80.9SEC	1.0	CONTROLS	OK
16	FEB 20, 1998 AM	6.00	78.3SEC	1.0	CONTROLS	OK
17	FEB 20, 1998 AM	5.80	75.7SEC	1.0	CONTROLS	OK
18	FEB 20, 1998 AM	5.60	73.1SEC	1.0	CONTROLS	OK
19	FEB 20, 1998 AM	5.40	70.5SEC	1.0	CONTROLS	OK
20	FEB 20, 1998 AM	5.20	67.9SEC	1.0	CONTROLS	OK
21	FEB 20, 1998 AM	5.00	65.3SEC	1.0	CONTROLS	OK
22	FEB 20, 1998 AM	4.80	62.6SEC	1.0	CONTROLS	OK
23	FEB 20, 1998 AM	4.60	60.0SEC	1.0	CONTROLS	OK
24	FEB 20, 1998 AM	4.40	57.4SEC	1.0	CONTROLS	OK
25	FEB 20, 1998 AM	4.20	54.8SEC	1.0	CONTROLS	OK
26	FEB 20, 1998 AM	4.00	52.2SEC	1.0	CONTROLS	OK
27	FEB 20, 1998 AM	3.80	49.6SEC	1.0	CONTROLS	OK
28	FEB 20, 1998 AM	3.60	47.0SEC	1.0	CONTROLS	OK
29	FEB 20, 1998 AM	3.40	44.4SEC	1.0	CONTROLS	OK
30	FEB 20, 1998 AM	3.20	41.8SEC	1.0	CONTROLS	OK
31	FEB 20, 1998 AM	3.00	39.2SEC	1.0	CONTROLS	OK
32	FEB 20, 1998 AM	2.80	36.5SEC	1.0	CONTROLS	OK
33	FEB 20, 1998 AM	2.60	33.9SEC	1.0	CONTROLS	OK
34	FEB 20, 1998 AM	2.40	31.3SEC	1.0	CONTROLS	OK
35	FEB 20, 1998 AM	2.20	28.7SEC	1.0	CONTROLS	OK
36	FEB 20, 1998 AM	2.00	26.1SEC	1.0	CONTROLS	OK
37	FEB 20, 1998 AM	1.80	23.5SEC	1.0	CONTROLS	OK
38	FEB 20, 1998 AM	1.60	20.9SEC	1.0	CONTROLS	OK
39	FEB 20, 1998 AM	1.40	18.3SEC	1.0	CONTROLS	OK
40	FEB 20, 1998 AM	1.20	15.7SEC	1.0	CONTROLS	OK

**DOWNLOADING PATIENT DATA
TO YOUR PRINTER
from the
PROTIME® MICROCOAGULATION SYSTEM**

Printer Download Requirements:

- ProTime® Instrument
- ProTime® Cable
- Computer printer with serial or parallel port
- Serial to parallel converter (if connecting to a printer with a parallel port)

Printer Set Up:

ProTime® data will be downloaded as ASCII files. All stored results can be displayed. Graphics cannot be downloaded from the ProTime® instrument.

1. If your printer is connected to a computer, disconnect the printer cable from the computer. If it is a parallel port cable connect the 25 pin end of the *serial-to-parallel* converter to the printer cable (not included).
2. Connect the 9 pin end of the ProTime® cable to either your serial printer cable, or the 9 pin end of the *serial-to-parallel* converter.
3. Before connecting the cable to the ProTime® instrument, turn the instrument on and allow it to go through its “self-check”.
4. On the ProTime® screen, select SHOW RESULTS. Then select PRINT/SEND DATA. Choose your option. (LAST RESULT or ALL RESULTS).